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# The Tech News Volume 5, Issue 20, February 10 1914

The Students of Worcester Polytechnic Institute

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# TECH NEWS



VOL. 5, NO. 20

WORCESTER, MASS., FEB. 10, 1914

PRICE, SEVEN CENTS

## Tech Trims M. A. C. and B. C.

SWEET REVENGE OVER BOSTON COLLEGE AT THE B. A. A. GAMES

Worcester Tech was the winner by a comfortable margin in a triangular relay race with the Amherst Aggies and Boston College at the 25th annual games of the B. A. A. in Mechanics Hall, Boston, last Saturday night. The Aggies have always been Tech's opponents at these games and our last year's team was the first to register a victory over them. The defeat of Boston College was particularly gratifying to the members of the Tech team as B. C. won a week ago through a fluke. The real merits of the two teams is shown in a comparison of the winning times, Tech's being 6 seconds faster Saturday than was B. C.'s the week previous.

Boston College won the pole, Tech was second, while the Farmers drew the outside position. At the crack of the gun, the three men got off to a beautiful start, but Duffy of Boston College drew away from the first bank in the lead, due to his advantageous position; while Win Reed stuck to his heels and Sturtevant of the Aggies tired himself all out by trying to pass Reed on the outside. This order was kept for the first two laps except that Sturtevant began to drag. At the beginning of the third circuit, Win Reed uncorked a fine spurt that landed him ahead of Duffy and he opened up a lead of 8 yds.

Nitch Warren went off like a whirlwind on roller bearings and in the feature relay of the contest he made a gap between McGovern of Boston College of fully 20 yards before touching off Bob Russell while the M. A. C. representative dropped hopelessly in the rut.

The positions in the first lap of the third relay remained relatively the same, but Murphy of B. C. gained on the second. Bob Russell finished strongly and more than held his own on the third lap.

Captain Dick Keith, recently returned to the team, took the touch 15 yards ahead of Rowan of Boston College and these two ran even till the last lap of the race when Keith showed some of that brand of speed for which he is noted and broke the tape a winner by 25 yards. Boston College finished second, while the Aggies were a poor third. The time, 3 minutes, 14 1-5 seconds, was fast and shows steady improvement of the team.

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## MECHANICAL ENGINEERING

A very successful and very well attended meeting of the Mechanical Engineering Society was held last Friday night in the Electrical Engineering Lecture Hall. Prof. Albert Sauveur of Harvard, was the speaker of the evening. He gave a very interesting and instructive lecture on "Mild Steel and its Treatment." It was illustrated with a special set of lantern slides which Professor Sauveur has collected in connection with his work in Metallography.

## Alumni Luncheons

### A NEW PLAN

The Worcester County Alumni Association has arranged for reserved tables at the Bancroft, every Friday noon, between 12.30 and 1.30. These tables are on the east side of the Colonial Room in the basement. The regular Business Man's Lunch will be served for 60 cents. This is an innovation with the local Alumni body and should prove very successful in promoting the activities of the Association in the city. The members of the Association have felt that there should be more of an opportunity to meet informally than the regular meetings allowed. This, however, will give every member a unique social and business opportunity to renew old friendships and make new ones. The younger members, especially, are expected to avail themselves of the opportunity to get together occasionally, and guests are welcome. This luncheon is also open to the men on the Hill and the students are in this way offered a chance to meet many of the local Alumni. This project was sanctioned at the last meeting of the Association on Jan. 16th, and has been heartily approved of by President Hollis.

## A COMMUNICATION ON THE INTER-FRATERNITY DANCE

WORCESTER, MASS., Feb. 4, 1914.

EDITOR OF TECH NEWS,

DEAR SIR:—Last year the fraternities here at the Institute conducted a dance known as the Inter-Fraternity dance to replace the old Junior Prom. It was a great success and thoroughly enjoyed by all those who attended, but the big drawback to it, in my mind, was the fact that only about one-third of the men at school were eligible to attend.

As I understand it, the reason the Junior Prom was dropped, was principally on account of lack of support. Also there would invariably be someone who would get up in class meeting and make a motion that dress suits should not be worn. This motion would pass and then the Prom would be but little better than an ordinary Tech Cotillion.

My idea in writing this letter is to suggest a plan whereby every one at school be allowed to attend the dance, but still have the presence of the formality of dress which should be present at a big annual school dance. The plan is to let the fraternities, as an organized body, make the

(Continued on Page 5)

## 1914 Aftermath

### SOME OF THE COMMITTEE'S PLANS

Up to date, 70 per cent of the total dues have been collected, which means that unless the remaining 30 per cent is in within the next month the prospects of having a presentable book will be out of the question. You can well remember the struggle, and cause, last year's class had in order to get out a book and if we wish to eliminate these, something must be done at once.

In order to create more interest and to show you that the committee intends to make this year's aftermath a class book in its full sense, it will outline a few ideas.

Besides the single photograph of each man, the committee is trying to get characteristic snap shots of each; but in order to do this the class as a whole must help. If any fellow has such a snap shot, a coat of arms, or something of that idea, they will be appreciated by the committee. Every fellow should take it upon himself to get a snap shot or coat of arms of his chum. Those who are handy with the camera can easily help, while others can make up, or have some one else with his help, a coat-of-arms for some class-

(Continued on Page 5)

## E. E. MEETING

Mr. E. G. Scott, who graduated in the electrical course in 1905 and obtained the degree of electrical engineer in 1907, will deliver the next address before the local branch of the American Institute of Electrical Engineers on "The operation of industrial plants." The lecture is illustrated and will be given in the lecture room of the electrical engineering building, on Friday evening, February 13, at eight o'clock. Mr. Scott is the superintendent of power of the Ludlow Manufacturing Associates of Ludlow, Mass. He has had a wealth of experience in the very large works of the plant, which is devoted to the manufacture of hemp and manilla products, such as bagging, ropes, and many other products. The company buys the raw materials in the tropics and makes the raw materials into the manufactured products at the plant. The plant has its own hydroelectric development to produce about 10,000 horse power, and this electric power is supplemented by steam power. The company was one of the first to establish a model industrial village for the employees, and the company stands foremost in its social-betterment plans.

## Rifle Team

### Official Results of Kansas Match

#### SCORE OF TECH TEAM AGAINST ARIZONA

In the fifth rifle match shot against the University of Arizona, the Tech team showed the best form yet displayed by the team. By scoring 185, H. R. Parmelee was largely responsible for the team's increased score, the total unofficial score being 912. In the match previous to this, the local team was defeated by Kansas, 918 to 902. This put Tech back into a tie for fifth place. Last week's scores:

	Standing	Prone	Total
H. R. Parmelee,	88	97	185
C. S. Darling,	88	96	184
E. L. Bragdon,	87	95	182
W. B. Anthony,	83	98	181
G. N. Davidson,	83	97	180
Team Totals,	431	481	912
Those not qualifying:			
M. M. Smith,	80	96	176
C. F. Fritch,	72	95	167
S. G. Leonard,	71	91	162
E. C. Whipple,	69	91	160
H. F. Banan,	59	94	153

## CALENDAR

MONDAY—5.00 P. M. Physics Colloquium.  
5.00 P. M. Glee Club Practice.  
5.00 P. M. Orchestra Practice.  
6.45 P. M. Meetings of Bible Study Groups.

TUESDAY—5.00 P. M. Meeting Tech News Editorial Staff.

5.00 P. M. Mandolin Club Practice.  
6.00 P. M. Meeting Bible Study Leaders.

WEDNESDAY—5.00 P. M. E. E. Building. A snappy Popular, addressed by Rev. Dr. Allyn K. Foster. Bring your Tech Bibles.

7.30 P. M. Cabinet Meeting, Y. M. C. A.

THURSDAY—4.30 P. M. Meeting of Wireless Association.

5.00 P. M. Mandolin Club Practice.

FRIDAY—5.00 P. M. Glee Club Practice.

4.00 P. M. Interclass Relay Finals.

5.00 P. M. Orchestra Practice.

8.00 P. M. Civil Engineering Meeting.

8.00 P. M. E. E. Society Meeting, E. E. Hall. (See notice.)

## SUNDAY—

3.30 P. M. Y. M. C. A., 10 Elm St. Rousing address by N. H. Easton, M. A. Subject, "The Hero of the Ages."

## SPECIAL NOTICE

Relay Team practice every night on the board track.

Watch bulletin board for Tech Show rehearsals.

The optimist fell ten stories  
And at each window bar  
He shouted merrily to his friends,  
"All right so far."

## TECH NEWS

Published every Tuesday of the School Year by

The Tech News Association of  
Worcester Polytechnic Institute

### TERMS

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All communications should be addressed to Tech News, Worcester Polytechnic Institute.

All checks should be made payable to the Business Manager.

The Tech News welcomes communications but does not hold itself responsible for the opinions therein expressed.

All material should be in before Thursday noon at the latest in order to have it appear in the week's issue.

Entered as second class matter, September 21, 1910, at the postoffice at Worcester, Mass., under the Act of March 3d, 1879.

THE DAVIS PRESS  
Graphic Arts Building

## Editorials

From time immemorial the pet theme of the chronic kickers, with which Tech has been burdened, has been the hereditary control of Athletic managerships. They usually contend that they are eminently more fitted for the position than the present incumbent, but that they didn't try out for assistant manager because they didn't stand in with the powers that be. Now that the baseball manager has left school no charges of favoritism can possibly be made against the selection of that office which will necessarily be according to ability shown. Thus an unprecedented opportunity is afforded to the class aforesaid mentioned to get the job and show how it should be managed. We hope an honest effort will be made as such services do infinitely more good to the Institute than knocking.

The notices of the Friday luncheons of the Worcester County Alumni Association at the Bancroft have aroused considerable interest on the Hill. These will give the Alumni an opportunity to meet oftener and, of more interest to us, gives the men on the Hill a chance to get acquainted with the local Alumni. It is hoped that a num-

ber of the students will be at these Luncheons each week.

One of the questions that is argued through the sporting pages of its papers every winter is that of summer baseball playing by college men. Tech has never had to take a stand on this nor have we had any questions as to the eligibility of any man to play on this account but it might be well for those in authority to make our position clear in this matter. It is very improbable that any of the teams that Tech meets have any strict rule in this regard. A statement from those in authority, however, might prevent a misunderstanding at some later date.

It is some time yet till the summer vacation, but not too soon for many of the men to begin to wonder whether they will be able to secure work then. The Institute, rightfully enough, does not attempt to secure engineering positions for and of the under-graduates but many of the men are anxious to put in the time securing some experience. Why can there not be an employment association that would get into touch with men wishing such help as students could give during the summer months. This is the time when the great part of the engineering work is done and there must be a demand for such help.

The plan for the luncheons of the Worcester County Alumni Association should appeal particularly to the present students. Just to meet these men who have been through the four years' grind and are now doing their share of the world's work, is in itself an inspiration. This method of intercourse between students and alumni is to be highly commended.

It is getting time for the Senior class to start arrangements for the Tech Banquet. We hope they will attend to it soon, now that their elections are over.

### THIRD ANNUAL TECH BIBLE STUDY LUNCHEON

AT PUTNAM & THURSTON'S, MONDAY, FEBRUARY 16

About 220 students are enrolled in the rooming and fraternity house Bible Study Groups organized by the Tech Y. M. C. A. this year. This is the largest number in the history of the Institute.

The plans for the Annual Luncheon are this year commensurate with the growth of the work. The first year it was served in the Y. M. C. A. Room, last year at the Pleasant St. Baptist Church, and this year, by special arrangement, it will be in the large banquet room of Putnam and Thurston's Restaurant.

The committee hopes to have present among other special guests: President Hollis, Rev. William A. Lee, Dr. Allyn K. Foster, Prof. Charles J. Adams and

## Mrs. Annie H. Day TEACHER OF DANCING

Cordially invites all TECH MEN and their friends to a  
**VALENTINE PARTY** in Terpsichorean Hall  
This Saturday, February 14th

Hardy's Orchestra

Souvenirs

Subscription 50 cents

## SLATER BUILDING BARBER SHOP

Room 342, 3rd floor

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Prof. Norman F. Richardson of Boston University. Professor Richardson is considered the most popular professor in Boston University, and the committee hopes to secure his presence as the principal speaker.

Luncheon will be served at 7 P. M. Tickets may be procured at the Y. M. C. A. office or of your Bible Study Leader. The most enjoyable evening of sociability and inspiration of the year is promised by the committee.

### FRESHMEN DEFEATED

SOPHOMORES WIN FIRST INTER-CLASS RIFLE MATCH

The sophomore team was victorious in the first interclass rifle match shot last Saturday. The freshmen were the victims, losing by a score of 877 to 857. Considering the experience the men have had, the results were very good. S. B. Clark has offered a trophy to the team winning the series, the schedule for which is as follows:—Feb. 10, 1914 vs. 1915; Feb. 14, 1914 vs. 1916; Feb. 18, 1915 vs. 1917; Feb. 25, 1914 vs. 1917; Feb. 28, 1915 vs. 1916.

The scores of the first match:

	1916	Prone	Total
H. F. Banan	84	97	181
W. B. Anthony	82	98	180
L. R. Hathaway	82	95	177
J. W. Moulton	86	84	170
E. L. Bragdon	80	89	169
Team Totals	414	463	877
	1917		
C. S. Darling	88	96	184
H. R. Parmelee	81	97	178
P. C. Mirick	73	95	168
W. Lyon	73	94	167
R. D. Lambert	76	84	160
Team totals	391	466	857

### MR. ST. JOHN ENTERTAINS

Mr. St. John entertained a number of his students at his home at 53 Queen St. last Tuesday evening. Games were played, refreshments were served and a jolly good time was had by all.

Mr. and Mrs. St. John have every Tuesday evening open to receive Mr. St. John's students, and they extend a very cordial welcome to all.

## THE GRAND

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WEEK BEGINNING MONDAY MAT. Feb. 9

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## Y. M. C. A. NOTES

Mr. Henry S. Leiper, one of the traveling secretaries of the Student Volunteer Movement, visited Worcester Wednesday and Thursday of last week. He had interviews with quite a large number of Tech men concerning engineering opportunities in foreign countries.

All Bible Study Groups resumed their meetings this week. Following the practice of the Association, these meetings were omitted during the Christmas holidays and the month of January.

The Kansas City Team gave reports Sunday, February 1st, at Trowbridgeville Chapel and Hope Church in the morning, and Adams Sq. Congregational Church in the evening. The reports last Sunday were given in Piedmont and Pleasant St. Baptist Church.

Word just received from Sidney Swallow states that he will probably start home from Kansas City the latter part of this week. His sickness has been much more severe than was expected, and it will probably be some time before he can come back to school. The doctors could not find traces of anything except a very serious case of grippe.

Annual Meeting and Election of Officers, Wednesday evening, March 25th. President Purrington will announce, at the next Popular, the nominating committee.

## SENIOR ABSTRACTS

## TOPICS ASSIGNED FOR THIS SEMESTER

In order to keep the Senior Mechanics in touch with engineering developments outside of those taken up in their regular courses, a course in Abstracts is provided. Every week in this course two men give a talk on their particular subjects, while the other members of the class take notes. The subjects, as assigned for this year, follow:

February 19—

Smoke Prevention—E. C. Bartlett.

Central Heating—E. W. Reed.

February 26—

Shop Safety Devices—R. C. Crouch.

Liability Insurance—A. L. Thurston.

March 5—

Rolling Mill Machinery—B. S. Dayton.

Coal Handling Machinery

—P. W. Prouty.

March 12—

Locomotive Practice—R. H. Dunbar.

Air Brakes—P. C. Howes.

March 19—

Patent Laws—L. H. Eaton.

Broaches—A. H. Vose.

March 26—

Self Starters—R. C. Farrar.

Gas Turbines—A. W. Peters.

April 8—

Fire Protection—W. P. Fay.

Heating and Ventilation—H. S. Martin.

April 15—

Water Power Development

—E. R. Hedstrom.

Cost of Power (Electric, Steam and Gas)

—E. R. Karb.

April 22—

Railroad Safety Devices—C. M. Inman.

Block Signal Systems—K. Marsh.

April 29—

High Speed Steels—L. B. Lewis.

Chain Making—A. P. Nutter.

May 6—

Steel Belts—A. Hosmer.

Railroad Electrification

—H. F. Hillman.

May 13—

Labor Problems—D. W. Ormsbee.

## ARE YOU GUILTY?

Have you stopped ever to think of all the things you have said or heard said against the NEWS? Have you ever stopped to think how cowardly it is to do this thing? How much do you think of a fellow who knocks his room-mate, probably his best friend in Tech? Do you admire him? You have probably never stopped to think what a good friend the college paper can be made to be to the average college student, alumnus, and college itself. Every student should enjoy reading about the happenings of his college and other colleges. An alumnus enjoys reading the news of his Alma Mater for it brings back to him his own college days.

A good college paper should contain all about the activities of its own college athletics, musical associations, personal jottings, etc. Funny happenings and jokes on or by individuals, as well as special articles on the college or persons connected with it. The paper should keep tabs on the alumni and upon doings of other colleges. This we try to do. But, can a staff of six men do all this, especially in a technical school where the standard is so high that it takes a large part of one's time to keep up in his studies? No. And there is where YOU come in. Instead of knocking and allowing the paper to go along in the peculiar rut which you dislike so much, why not put a little of your criticizing effort into helping to benefit that which you dislike? Write some article for the NEWS, not necessarily a couple of columns; but merely a short note, now and then, concerning some alumnus, or some of your classmates, division mates, or, in fact, anything that you think would interest other students. How often have you said, "Why don't you put some news in the paper?" and yet you have not even lifted your finger toward getting any news for us to put in. It will take only a very little of your time and will be a great help to the editors, who are working hard for your interests. Why not start a little rivalry among the divisions and see which one can best the other for sending in the most or best news items? If everybody, yea half the student body or even a quarter of them, would only put in a little effort along this line, we would soon have one of the best college papers published. There is plenty doing around the Hill to write about, there being lots of small things of extreme interest which slip by the few members of the editorial board and which could be published if only YOU would jot down a note about it and drop it in the NEWS Box.

Think this over, every loyal Tech man, and see what you can do toward helping not only the editorial board, but also, yourself, your classmates and your college.

## SOPHOMORE CLASS MEETING

## ELECTION OF OFFICERS

On Monday, February 24, the Sophomore class held their election of officers for the coming semester. The results were as follows:

President, C. S. Stone, Westfield, Mass.  
Vice-President, C. L. Storms, Norwich, Conn.

Secretary, E. H. Francis, Fall River, Mass.

Treasurer, L. C. Jones, Rutland, Vt.  
Sergeant-at-Arms, W. K. Jealous, Rochdale, Mass.



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## CHARLEY'S COLUMN

Interclass Relays for the Class of 1890 Cup this week Wednesday and Friday at 4 P. M.

This is your chance to see the varsity men try out under competition.

The Junior-Senior race will be interesting in that two men on each side are members of the school team.

Sophomore stock took a considerable jump last week in the return to the boards of lanky Joe Chandler who ran a fine 390 last year but has been troubled with a weak knee this season.

The Freshmen seem to have the advantage over the second-year men, with Quimby, Francis, King, and Powers all in fine form, but Wen Moulton is due to take a good slice out of their lead. Halliwell has shown the most improvement of any of the men out for relay and with him doing the three laps under 52 seconds and with Miller, Russell, and Warren all doing fast time, the meet ought to go to the Juniors.

The Interclass Meets will be more beneficial if cheering for the teams is encouraged. Let's see signs of class spirit at Tech!

Coach O'Connor had the right kind of a smile last Wednesday when Captain Keith came out for practice after having been laid up for a week on account of German measles.

Prospects for a fast relay team next year look all the brighter as Bill Very, one of the greatest wearers of the short spikes who ever honored Tech with his attendance, expects to return in September. He writes from a logging camp down Maine that he has put on fifteen pounds living the simple life.

Win Reed has shown the way for every relay this season. He is proving an ideal first man for a first class team.

Diek Keith delivered the goods Saturday night all right with less than a week to recuperate from a severe illness.

Nitch Warren runs better every week and his name spells "Jonah" to Tech's opponents. If this keeps on much longer Tom Halpin had better retire!

The Emmet's Guard Meet in Worcester comes Monday night, March 9, and Tech will have its entire team entered in the open events. No opponent for the relay team has been obtained though Manager Pike is trying to secure Rhode Island State. Freshman teams representing Tech and Holy Cross may battle for supremacy.

Tech's relay team is signed up to run Trinity a half mile to a man at the Hartford Armory meet February 20.

## JUNIOR CLASS MEETING

## ELECTION OF OFFICERS

The junior class met last Friday and elected the following officers: R. H. Russell of Holyoke, president; H. C. Barnes, of Shelburne Falls, vice-president; John M. Bond, of Worcester, secretary; F. H. Hapgood, of Athol, treasurer; A. E. Allen of Northboro, sergeant-at-arms.

The Civil Engineering Department has just been presented with two framed pictures from the National Paving Brick Manufacturers Association. The first shows the present condition of a section of West Fourteenth Street, Cleveland, Ohio, which was paved with vitrified brick many years ago and the other shows a vitrified brick country road in Cuyahoga County, Ohio.

## TECHNICALITIES

Prof. Carl D. Knight and Mr. Walter D. Stearns of the electrical department have issued a printed set of laboratory directions for the use of the students of the junior year who are taking the electrical course. The course of experiments cover the work of sixteen weeks' work. The experiments have been developed to fit into the scheme of the whole electrical course and to fit the apparatus that is available in the laboratory, which has been assembled to aid especially educational work. The laboratory directions are sold to the students at practically the cost of the paper and the printing.

Mr. C. E. Skinner, head of the research division of the engineering department of the Westinghouse Manufacturing and Electric Company at Pittsburgh, was a recent visitor at the Institute. Mr. Skinner went through the electrical building giving especial attention to the research work that is being carried on by the graduate students of the department.

Mr. Walter D. Stearns, instructor in the electrical department, is making an acceptance test of some centrifugal blowers for a large wood-working plant in a neighboring city.

T. A. Hulbert, '03, Associate Editor of "Good Roads," was a recent visitor at the Institute.

The department of civil engineering has recently been presented with two special publications on the Chicago Transportation problem. The first is a report of Mr. John F. Wallace to the Committee on Railway Terminals of the City Council of Chicago, and the second, a series of addresses before the City Club dealing with the problem of reorganizing Chicago's railway terminals. These were sent by T. W. Howard, '07, with the National Implement and Vehicle Association of Oak Park, Illinois.

Prof. A. W. Duff is away on leave of absence for the second half-year. He sailed from Boston, January 31, on the SS. "Canopic," taking the southern route via Madeira and Algiers to Naples. He expects to spend a week in Sicily, several days in Rome, and a short time in Switzerland, on his way to Berlin, where he will spend the greater portion of his leave studying at the University. He will return for the opening of the school year in September. During his absence Prof. A. W. Ewell is acting head of the Physics Department.

In view of the important part which the discharge of electricity through gases will probably play in the electrical engineering of the future Prof. A. W. Hull has introduced into the Physics Laboratory course for Junior Electrics an experiment on Cathode Rays.

During the past week the Physics Department has received from Robert Goetze of Leipzig a box of new apparatus for the Physical Chemistry Laboratory, consisting largely of apparatus for determining molecular weights, electrolytic conductivities, and electrode potentials.

The Physics Department has received from the Norton Company a gift of two Alundum tubes for use in connection with the experiments in optical pyrometry.

During this term the Physics Colloquium will be held on Tuesday afternoon at 5.00. On February 10 Dr. Masius will discuss the following papers:—

A Law of Thermodynamics,

The action of an Electromagnetic Field on a Single Electron (Jeans).

## HIGH GRADE CANDY AND ICE CREAM

Visit our Tea Room

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## CHEMISTRY DEPARTMENT THESES

Carter, H. G.: Study of Emulsions.

Dr. Briggs.

Cooper, C. H.: Separation and Determination of Nickel by the Dimethylglyoxime method. Professor Sweetser.

Desmond, J. J.: Time factor in Electro Depositions using direct current and rectified alternating current.

Professor Calhane.

Dufault, R. H.: A Study of the Corrosion of Iron and Steel in reinforced Concrete.

Professor Bonnet.

Gibbons, G. T.: An investigation of the latest methods for the manufacture of soluble Barium Salts, using electrolytic methods. Professor Calhane.

Gurley, F. C.: A Comparative Study of Ethers and Acetals of Primary, secondary and tertiary alcohols and the influence which the presence of halogens and other negative groups have on their formation. Professor Jennings.

Howard, L. A.: The Refractometric Method for the Determination of Fat in Ice Cream. Mr. Power.

Kelley, W. J.: Detection of small amounts of Hydrogen sulphide by the Nephylometer method.

Professor Bonnet.

Miller, S. P.: A Comparative Study of Ethers and Acetals of Primary, secondary and tertiary alcohols and the influence which the presence of halogens and other negative groups have on their formation. Professor Jennings.

Nelson, N. A.: A Study of the Air of Worcester especially with reference to efficiency of air washing machines.

Professor Bonnet.

Pierson, H. L.: Electrical Endosmose.

Dr. Briggs.

Steele, F. H.: A Study of the reactions involved in carbonation of wool; using Aluminium chloride. Professor Sweetser.

Stephens, H. D.: Analysis of Medicinal Spring Waters. Professor Sweetser.

## 1914 AFRERMATH

(Continued from Page 1)

mate. Be on the watch, fellows, and perhaps you can find among your roommate's or chum's fool's gallery something that will be to the point. Get your pencil working and write him up so that every man may have a good write-up and one that will fit; one much better than can be expected if it is left to one of the committee, who probably knows little about him. Now there is plenty of room to help, so make use of it and get something in at once.

At present the financial standing is as follows:

Chemists,	79%
Civils,	78%
Electricians,	67%
Mechanics,	60%

This shows that the Chemists, who were, from the last report at the weak end are now the lead, having come to life and shown their ability to lead the others. Get interested fellows, and take the lead yourselves.

## INTER-FRATERNITY DANCE

(Continued from Page 1)

arrangements for the dance, but extend a general invitation to everyone at school, with the understanding that the dance be a dress affair. Surely that is fair enough to everyone concerned. The fraternities as organized bodies are in the best position to conduct such an affair, and yet it would not be for their sole benefit.

I hope that the fraternity men, while making their plans for the next dance, will seriously consider this scheme, as there is no better way to create hard feelings among the different factions at any college, than for the fraternities to selfishly conduct dances of the type of last year's Inter-Fraternity dance, when there is no regular annual school dance.

Yours truly,

P. S. I might add that I am a fraternity man myself, so you will see that this is not written in a spirit of soreheadedness.

## TECHNICALITIES

The latest list of members of the American Water Works Association includes the following alumni of the Institute:—G. H. Abbott, '06, Treasurer and Superintendent Southbridge Water Supply Company, Southbridge, Mass.; G. C. Bunker, '03, New Castle Water Company, New Castle, Pa.; J. M. Goodell, '88, Editor, "Engineering Record," New York City; F. L. Grimes, '87, Civil Engineer, Troy, N. Y.; H. P. T. Matte, ex-'10, Assistant Engineer, with Cole & Cole, Hydraulic Engineers, New York City.

Mr. Thompson, the expert mechanic of the electrical department, has just completed the 25 centimeter spherical spark gap that has been made for research work in the electrical department. This type of gap for the measurement of high electric potentials has been standardized thoroughly and is now one of the accepted methods of measuring high potentials. The method of standardization necessitated the use of a very large spherical air condenser which has been developed in the Westinghouse Electric and Manufacturing Co. The spheres for the spark gap were made from hollow cast-copper hemispheres turned to form and screwed together. The necessity of having the spheres of accurate dimensions and of true spherical form taxed the ingenuity of the department's mechanic, but the class of the finished work testifies to the high grade of work that the mechanic is capable of turning out. The spherical spark gap will help to round out the completeness of the facilities of the electrical department for high tension electrical investigations.

E. C. Sprague of the class in Chemistry, W. P. I., 1902, was a recent visitor to the chemical laboratory. Mr. Sprague is superintendent of the International Acetone Graphite Co., at Niagara Falls. Mr. Sprague spoke very interestingly on the new work at his plant, including the continuous furnace for silicon used in steel alloys, and the new plant for making the electrodes that are later graphitized in the electric furnace.

An article by Dr. Calhane and T. C. Wheaton of last year's Chemistry Class, appears in the February number of "Metallurgical and Chemical Engineering." The article embodies part of Mr. Wheaton's thesis work on the Application of Fine Meshed Brass Gauze to Electrodeposition of metals.

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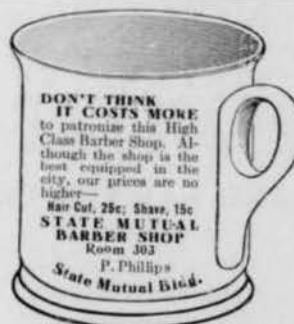
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### TECH TRIMS M. A. C. AND B. C. (Continued from Page 1)

Outside of this race, the evening was full of interest to the team and much benefit was obtained by watching such stars as Ted Meredith, Mel Sheppard, Tom Halpin, Don Lippincott, Kohlemanien, Kivial, Hedlund, and Brown run, as well as the record breaking team races of Cornell, Harvard, Yale, Dartmouth, B. A. A., N. Y. A. C., and I. A. A. C. After the meet the competitors were guests of the B. A. A. at its club house, and no one went home hungry or thirsty.

The line-up:—

W. P. I.	B. C.	M. A. C.
Reed	Duffy	Sturtevant
Warren	McGovern	Baer
Russell	Murphy	Smith
Keith	Rowan	Nostrom

Time, 3 m., 14 1-5 sec.

### A TEMPERANCE COLLEGE

The Rev. Lyman T. Powell signals his inauguration as president of Hobart college at Geneva by adopting a new policy on the troublesome question of collegiate local option. With the backing of the trustees and faculty of Hobart college, he has decided that hereafter no students who drink alcoholic liquors shall receive financial aid from the college in any way whatsoever. The matriculant at Hobart will have to decide before he enters upon residence that he will devote himself to attaining a college education and not to testing the qualities of alcoholic beverages. He will be confronted at the outset of his college career by the big questions of mastering of self.

Inasmuch as prospective college students who desire to avoid the question of temperance during their university career may choose a few score other colleges where the prohibition will not be thrust upon them, probably no national hardship will be caused by the action at Hobart. It is a bold move which is bound to bring good results to the students who finally choose Hobart, but it may operate temporarily to decrease the number of students who turn their eyes in the direction of Geneva.

—Exchange

### FRESHMEN CLASS MEETING

Last Tuesday the Freshman Class met for election of officers, but after re-electing President Thornton, R. Stenberg of Worcester and Secretary Harold R. Parmelee, the meeting was adjourned. Two ballots for vice-president were taken, and on the second the leading candidate lacked but one vote necessary to carry his election. Just previous to the election of officers, the class adopted a constitution for its guidance in the future.

### BLUFFS

"Old 'Adam's ale' is my favorite drink."

"I'll pay you this \$5 next week."

"I hate to buy a new pair of shoes. These old ones feel so comfortable."

"I have become a reformer, because I have seen the evil of machine rule, not because the gang wouldn't renominate me for that office."

"You're the best friend I've got, Jack; will you lend me \$10?"

"Look here, operator! I've been trying to get that line for the last hour."

### BASEBALL?

EDITOR TECH NEWS,  
Worcester Polytechnic Institute.

Dear Sir:—

If you will kindly spare me a little space in the columns of your valuable paper, I would like to say a little which may not have any great force, yet is the opinion of a great many men on the Hill at present. It relates back to the same old story—athletic dues—although only indirectly; the main theme being our national game, (baseball) and its doings this spring.

Without going into detail, my chief question is, Why not cut out baseball this spring? Of course, there are a few good reasons why it should not; namely: first, the schedule has already been made up and the breaking of the same, perhaps, would cause embarrassments with other colleges; second, the liability of losing teams on our schedule for future years if we drop them for this year. However, the financial condition of the athletic association is such, owing to the fact that some of the men have still refused to pay their athletic dues, that either track or baseball must suffer. The track team has already suffered a very much regretted blow (due exclusively to financial embarrassment) when no team representing W. P. I. was sent to the Intercollegiate Cross Country run held at Dartmouth last fall. We have excellent material here along track lines and poor material for a college baseball nine (with due respect to the players), due largely to inadequate place to practice and material to play with, lack of money for a good coach and lack of proper time for practice. Tech now has a good relay squad and prospects for a winning track team in the spring. Therefore, why not invest our money in the track athletics? Give them every available opportunity to win honors for themselves and Tech, as well as to advertise Tech. [An ever losing team is a worse advertisement than no team at all; and surely unless there are some unexpected "Ty Cobbs" and "Nap. Lajoies" in the freshman class, our chances for a winning team are no better this year than last.]

I am a loyal fan myself and would more than like to see W. P. I. represented on the diamond this spring; but if it means track must suffer at the expense of baseball, by all means reverse the situation and drop baseball, if necessary. I do not mean forever, but merely for this year, until your new field is ready [and until we have a better means of getting our athletic dues all paid.]

The love of baseball, the necessary exercise and training can readily be kept up by having organized class teams, and surely such teams would be advantageous toward arousing Tech Spirit higher and higher, whether or not varsity baseball is carried out.

In conclusion I, will state that I sincerely hope neither baseball nor track will have to suffer owing to financial embarrassments; but if worse comes to worse, by all means—cut out baseball and allow your track events to issue forth in glory.

Yours for the best of Tech Interest,  
FAN.

Bob Russell won his letter Saturday for the first time.

February 21, Tech's short distance relay team will probably run Holy Cross at the Providence Armory.